

Listing of the Claims:

The following is a complete listing of all the claims in the application, with an indication of the status of each:

- 1 1 (Original). A cleaning device for cleaning an orifice surface of an inkjet
2 head and a different level member having a surface at a different level than
3 the orifice surface, the different level member forming a step between the
4 orifice surface and the surface of the different level member the orifice
5 surface being formed with a row of nozzle orifices, the cleaning device
6 comprises:
7 an air flow generating unit formed with a suction hole positioned at
8 the nozzle orifice, the air flow generating unit generating a spiraling
9 current by sucking air into the suction hole, the air flow generating unit
10 sucking ink from the nozzle orifice by drawing the ink in with the spiraling
11 current.
- 1 2 (Original). The cleaning device as claimed in claim 1, wherein the air
2 flow generating unit sucks air in through the suction hole at asymmetrical
3 flow velocity and flow rate about the row of nozzle orifices.
- 1 3 (Original). The cleaning device as claimed in claim 1, wherein the air
2 flow generating unit includes:
3 a suction hole member formed with the suction hole;
4 a negative pressure generator that generates a negative pressure at
5 the suction hole; and
6 a positioning unit that positions the suction hole member at a
7 suction position wherein the suction hole confronts the nozzle orifice and
8 the different level member.
- 1 4 (Original). The cleaning device as claimed in claim 3, wherein a gap is

2 formed between the suction hole member and at least one of the orifice
3 surface and the different level member, the gap having a size that is
4 asymmetric about the row of nozzle orifices.

1 5 (Original). The cleaning device as claimed in claim 4, further comprising
2 a stage unit that moves the suction hole member following the row of
3 nozzle orifices formed in the orifice surface.

1 6 (Original). The cleaning device as claimed in claim 3, wherein the
2 suction hole member is formed with a plurality of suction holes, the
3 negative pressure generator generates the negative pressure at at least two
4 adjacent ones of the plurality of suction holes at a time while sequentially
5 suctioning the plurality of suction holes.

1 7 (Original). The cleaning device as claimed in claim 3, wherein the
2 suction hole member disposed at the suction position deforms while
3 pressing against the orifice surface and the different level member without
4 contacting the nozzle orifice.

1 8 (Original). The cleaning device as claimed in claim 3, wherein the
2 suction hole member disposed at the suction position is distanced from the
3 orifice surface without contacting the orifice surface.

1 9 (Currently Amended). A cleaning device for cleaning an orifice surface
2 of an inkjet head ~~and a different level member attached to the orifice~~
3 ~~surface, the different level member having a surface at a different level~~
4 ~~than the orifice surface, thereby forming a step between the orifice surface~~
5 ~~and the surface of the different level member, the orifice surface being~~
6 formed with a row of nozzle orifices, the cleaning device comprising:
7 an air flow generating unit formed with a suction hole positioned at

8 the nozzle orifice, the air flow generating unit generating a spiraling
9 current by sucking air into the suction hole, the air flow generating unit
10 sucking ink from the nozzle orifice by drawing the ink in with the spiraling
11 current.

1 10 (Currently Amended). An inkjet recording device comprising:
2 an inkjet head including:
3 an orifice surface formed with a row of nozzle orifices;
4 ~~a different level member, having a surface at a different~~
5 ~~level than the orifice surface, the different level member forming a step~~
6 ~~between the orifice surface and the surface of the different level member;~~
7 ~~and~~
8 an ink ejection unit that ejects ink droplets from each of the
9 nozzle orifices; and
10 ~~the~~ a cleaning device of claim 1 including an air flow generating
11 unit formed with a suction hole positioned at the nozzle orifice, the air
12 flow generating unit generating a spiraling current by sucking air into the
13 suction hole, the air flow generating unit sucking ink from the nozzle
14 orifice by drawing the ink in with the spiraling current.

1 11 (Currently Amended). The inkjet recording device as claimed in claim
2 ~~10~~ 22, further comprising a movement mechanism that moves the inkjet
3 head between a recording position and a cleaning position, the different
4 level member including a charge deflection electrode formed with an ink
5 reception portion.

1 12 (Original). The inkjet recording device as claimed in claim 10, wherein
2 the air flow generating unit sucks air in through the suction hole at
3 asymmetrical flow velocity and flow rate about the row of nozzle orifices.

1 13 (Currently Amended). The inkjet recording device as claimed in claim
2 ~~10~~ 22, wherein the air flow generating unit includes:
3 a suction hole member formed with the suction hole;
4 a negative pressure generator that generates a negative pressure at
5 the suction hole; and
6 a positioning unit that positions the suction hole member at a
7 suction position wherein the suction hole confronts the nozzle orifice and
8 the different level member.

1 14 (Original). The inkjet recording device as claimed in claim 13, wherein
2 a gap is formed between the suction hole member and at least one of the
3 orifice surface and the different level member, the gap having a size that is
4 asymmetric about the row of nozzle orifices.

1 15 (Original). The inkjet recording device as claimed in claim 14, further
2 comprising a stage unit that moves the suction hole member following the
3 row of nozzle orifices formed in the orifice surface.

1 16 (Original). The inkjet recording device as claimed in claim 13, wherein
2 the suction hole member is formed with a plurality of suction holes, the
3 negative pressure generator generates the negative pressure at at least two
4 adjacent ones of the plurality of suction holes at a time while sequentially
5 suctioning the plurality of suction holes.

1 17 (Original). The inkjet recording device as claimed in claim 13, wherein
2 the suction hole member disposed at the suction position deforms while
3 pressing against the orifice surface and the different level member without
4 contacting the nozzle orifice.

1 18 (Original). The inkjet recording device as claimed in claim 13, wherein

2 the suction hole member disposed at the suction position is distanced from
3 the orifice surface without contacting the orifice surface.

1 19 (Currently Amended). The inkjet recording device as claimed in claim
2 ~~10~~ 22, wherein the different level member is attached to the orifice surface.

1 20 (New). The inkjet recording device as claimed in claim 9, wherein the
2 air flow generating unit sucks air in through the suction hole at
3 asymmetrical flow velocity and flow rate about the row of nozzle orifices.

1 21 (New). The cleaning device as claimed in claim 1, wherein the different
2 level member is attached to the orifice surface.

1 22 (New). The inkjet recording device as claimed in claim 10, wherein the
2 inkjet head further includes a different level member having a surface at a
3 different level than the orifice surface, the different level member forming
4 a step between the orifice surface and the surface of the different level
5 member.